

Figure 1

Figure 2

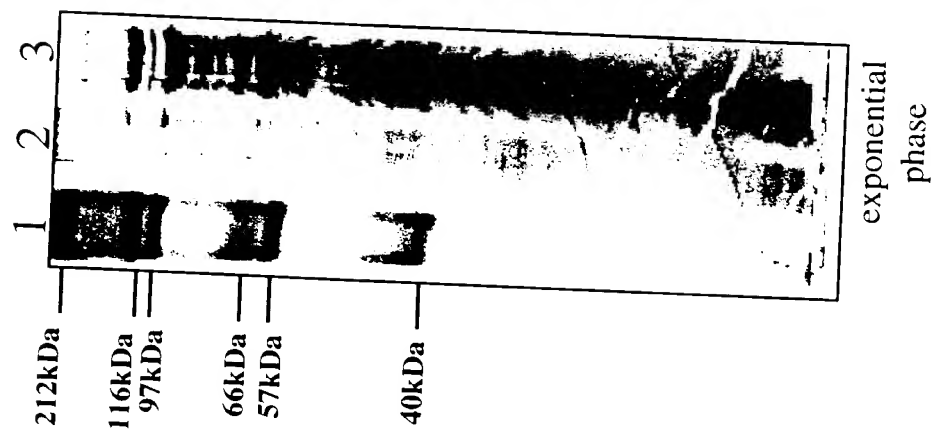
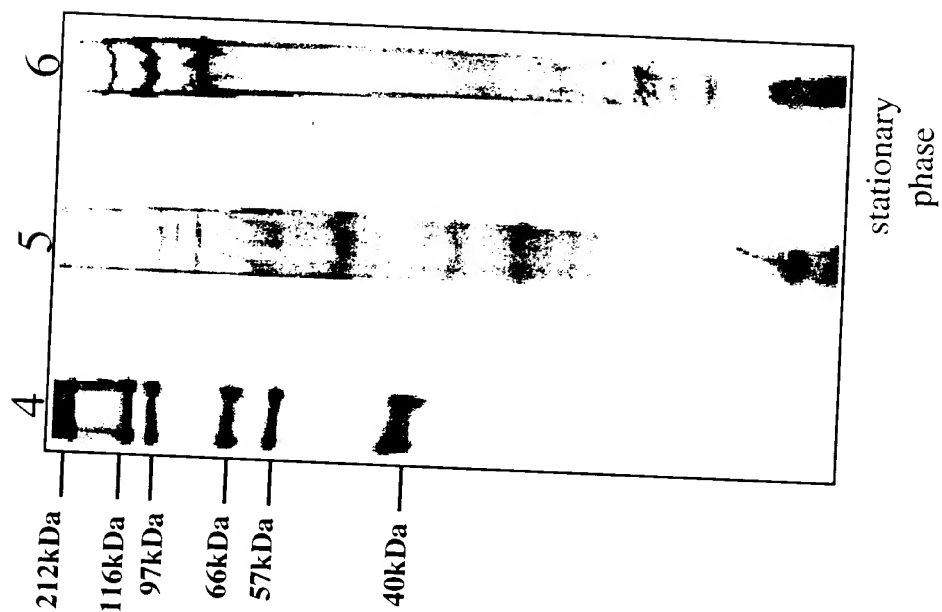


Figure 3



Lanes 1 & 4: M.W. stds.

Lanes 2 & 5: UTD-001

Lanes 3 & 6: *B. indica* 9038

RT	Area	Ar/Ht	Respn	ECL	Name	%	Comment 1	Comment 2
1.681	412383000	0.030	...	7 006	SOLVENT PEAK	...	< min rt	
1.794	16776	0.024	...	7 227	.....	...	< min rt	
2.241	750	0.044	...	8 104	.....	...	< min rt	
2.300	1326	0.044	...	8.219	.....	...	< min rt	
2.347	504	0.032	...	8.312	.....	...	< min rt	
3.849	1128	0.028	1.102	10 916	Sum In Feature 3	0.15	ECL deviates 0.002	12:0 ALDE ?
4.833	25458	0.031	1.052	12.000	12 0	3.34	ECL deviates - 0.000	Reference - 0.004
5.989	4578	0.038	1.015	13.000	13.0	0.58	ECL deviates 0.000	Reference - 0.003
7.102	1032	0.043	...	13.813	.....	...		
7.296	4584	0.050	0.986	13.954	unknown 13.961	0.56	ECL deviates - 0.007	
7.358	54882	0.039	0.985	13.999	14.0	6.74	ECL deviates - 0.001	Reference - 0.004
8.080	4134	0.040	0.974	14.469	Sum In Feature 2	0.50	ECL deviates - 0.001	13:0 30H/15:1 i I/H
8.130	4284	0.039	0.973	14.501	unknown 14.503	0.52	ECL deviates - 0.002	
8.576	810	0.038	0.967	14.791	15:1 w8c	0.10	ECL deviates - 0.001	
8.897	32478	0.041	0.963	15.000	15.0	3.90	ECL deviates - 0.000	Reference - 0.004
9.189	1974	0.043	...	15.176	.....	...		
9.704	58386	0.044	0.955	15.485	Sum In Feature 3	6.95	ECL deviates 0.003	16:1 ISO I/14:0 30H
10.259	183384	0.044	0.950	15.819	Sum In Feature 4	21.7	ECL deviates 0.002	16:1 w7c/15 iso 20H
10.407	1512	0.043	0.948	15.908	15:1 w5c	8.18	ECL deviates 0.000	
10.562	212406	0.044	0.947	16.002	16:0	25.0	ECL deviates 0.002	Reference - 0.002
10.715	1074	0.064	...	16.091	.....	...		
11.425	1188	0.041	0.941	16.502	15.0 30H	0.14	ECL deviates - 0.002	
11.924	3132	0.051	0.938	16.792	17.1 w8c	0.37	ECL deviates - 0.000	
12.091	87876	0.048	0.937	16.889	17.0 CYCLO	10.2	ECL deviates 0.001	Reference - 0.003
12.282	14676	0.046	0.936	17.000	17.0	1.71	ECL deviates - 0.000	Reference - 0.004
13.598	996	0.050	...	17.750	.....	...		
13.725	146304	0.048	0.929	17.822	Sum In Feature 7	16.9	ECL deviates 0.000	18:1 w7c/w9t/w12t
14.032	1122	0.044	0.928	17.997	18:0	0.13	ECL deviates - 0.003	Reference - 0.007
14.797	1242	0.057	...	18.437	.....	...		
14.986	822	0.053	...	18.546	.....	...		
15.605	1446	0.048	0.923	18.901	19:0 CLYCL w8c	0.17	ECL deviates 0.001	Reference - 0.003
15.888	480	0.045	...	19.065	.....	...		
19.033	690	0.042	...	20.888	.....	...	> max rt	
19.715	90	0.033	...	21.284	.....	...	> max rt	
*****	4134	.....	.....	.....	SUMMED FEATURE 2	0.50	15:1 ISO H/13:0 30H	13:0 30H/15:1 i I/H
*****	.....	.....	.....	.....	.....	.....	15:1 ISO I/13:0 30H	
*****	59514	.....	.....	.....	SUMMED FEATURE 3	7.10	12.0 ALDE ?	unknown 10.928
*****	.....	.....	.....	.....	.....	.....	16.1 ISO I/14:0 30H	14:0 30H/16:1 ISO I
*****	183384	.....	.....	.....	SUMMED FEATURE 4	21.7	16.1 w7c/15 iso 20H	15:0 ISO 20H/16:1w7c
*****	146304	.....	.....	.....	SUMMED FEATURE 7	16.9	18:1 w7c/w9t/w12t	18:1 w9c/w12t/w7c
*****	.....	.....	.....	.....	.....	.....	18:1 w12t/w9t/w7c	

Solvent Ar	Total Area	Named Area	% Named	Total Amount	Nbr	ECL Deviation	Ref ECL Shift
41238300	851388	843768	99.10	802384	9	0.002	0.004
TSBA [Rev. 3.90] K. luyvera						0.835	
K. cryocrescens						0.835	
K. ascorbata						0.528	
Enterobacter						0.753	
E. taylorae						0.753	
E. asburiae*						0.510	
E. cloacae*						0.397 (excludes ATCC 35549 which is atypical)	
Salmonella						0.521	
S. choleraesuis						0.521	
S. c. arizonae						0.521	
S. c. choleraesuis						0.421	
S. bongori						0.275	
S. typhimurium						0.267	
S. t. GC subgroup B						0.267	
S. t. GC subgroup A						0.182	

Figure 4

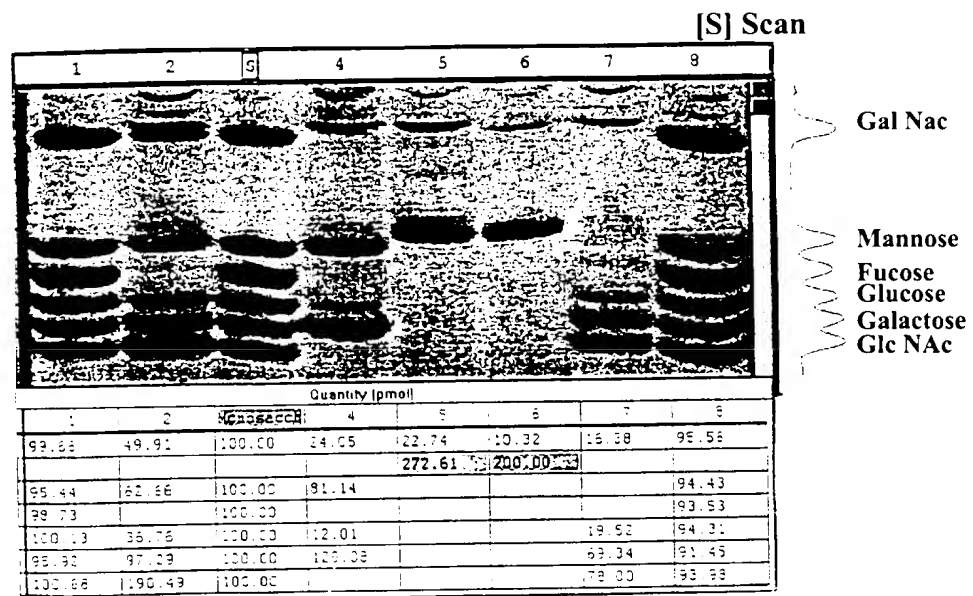


Figure 5

Method: LDE1000  
 Mode: Linear  
 Accelerating Voltage: 25000  
 Grid Voltage: 82.000 %  
 Guide Wire Voltage: 0.100 %  
 Delay: 100 ON  
 Samples: 88  
 Sensitivity-Gain Order = 2 Points = 18  
 Laser: 2070  
 Pressure: 2.81e-07  
 Low Mass Gain: 500.0  
 Threshold Selector: 938.0 OFF  
 Negative Ion: OFF  
 Collected: 8/24/88 2:21 PM

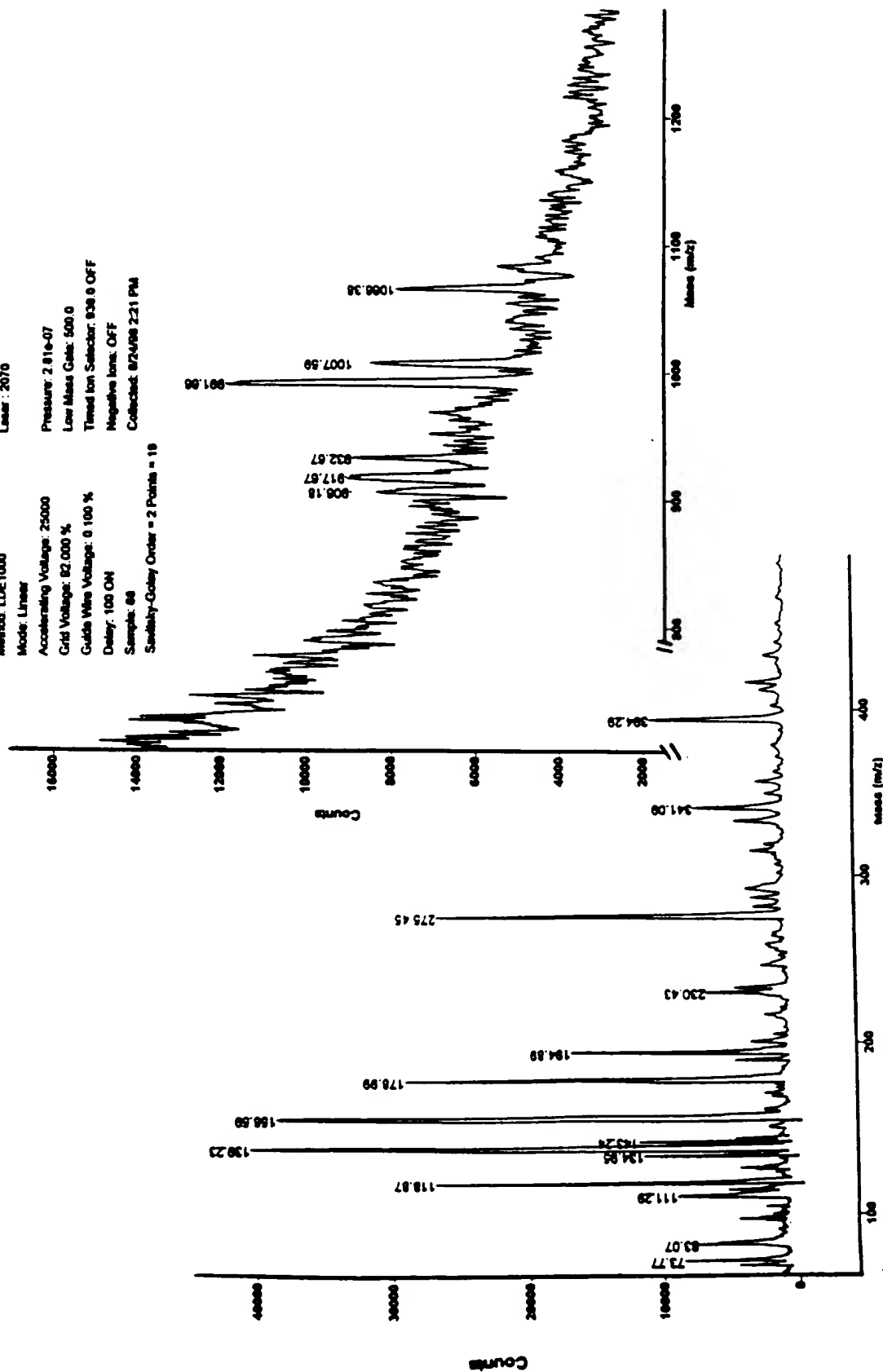
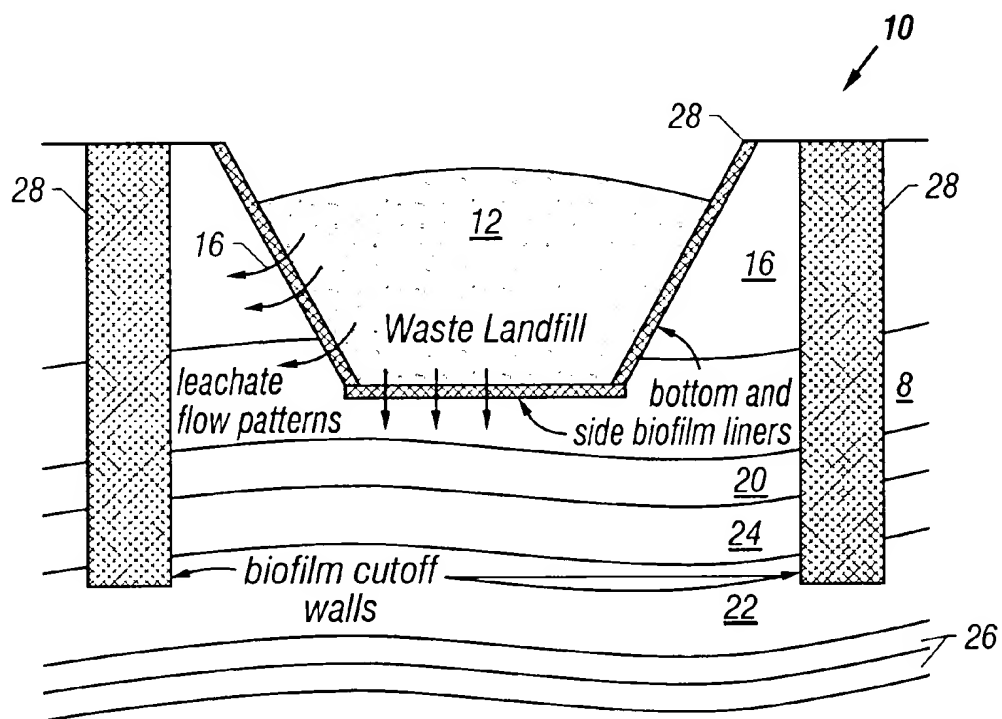


Figure 6



**FIG. 7**

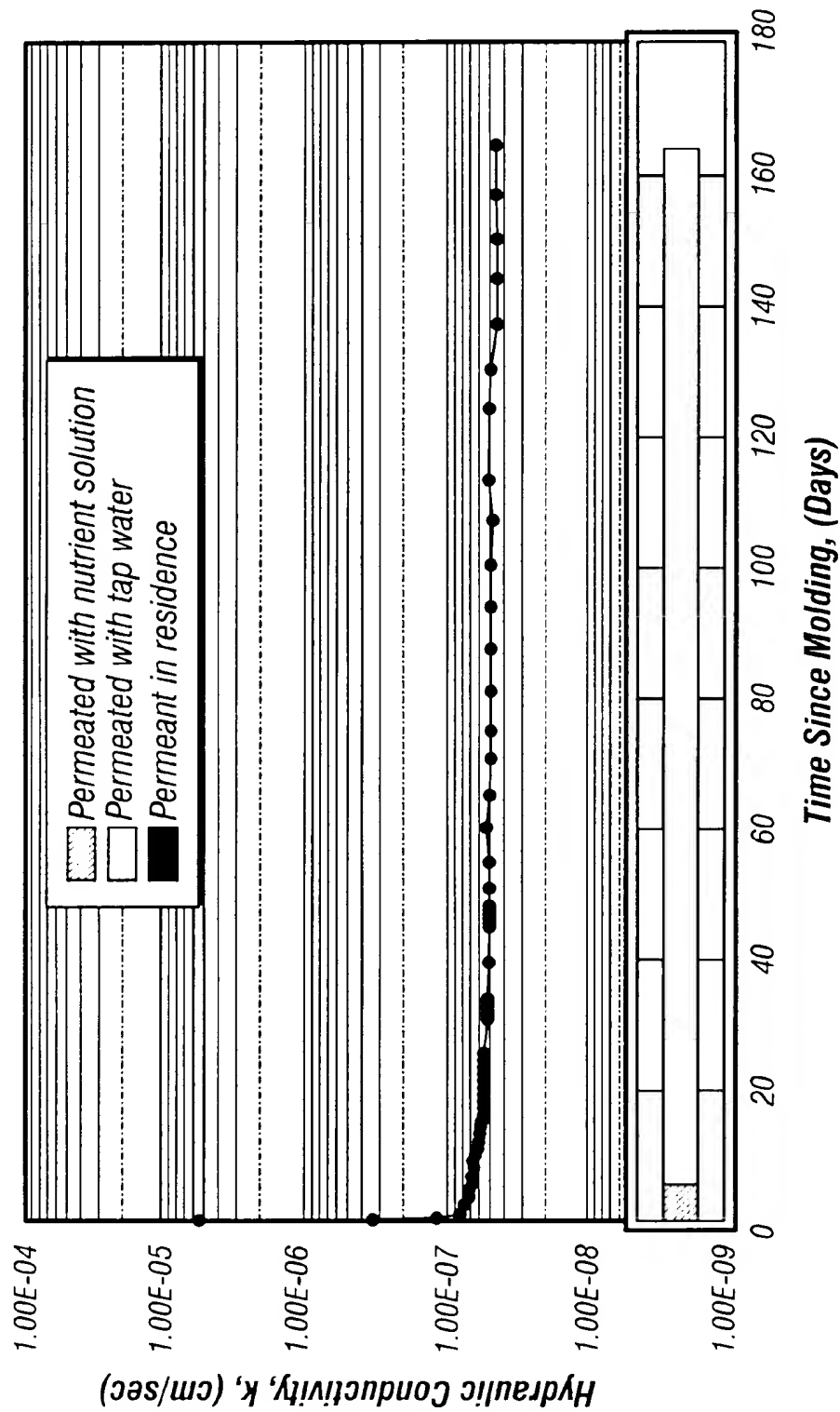


FIG. 8